

XP-002192459

## Material Safety Data Sheet

CE

According to 91/155 EC

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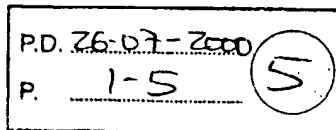
Reviewed on 12.07.2000

**1 Identification of substance:**• Trade name: Wizard(R) SV 96 Neutralization Solution

• Article number: A148

• Manufacturer/Supplier:

Promega Corporation  
2800 Woods Hollow Road  
Madison, WI 53711  
U.S.A.  
1-608-274-4330  
1-800-356-9526



• Further information obtainable from:

Promega UK  
Delta House, Enterprise Road  
Chilworth Research Centre  
Southampton SO16 7NS  
UNITED KINGDOM  
Tel: 011 44 23 8076 0225  
Fax: 011 44 23 8076 7014  
Email Address: uktechserve@uk.promega.com  
Web Address: www.promega.com/uk/

• Information in case of emergency:

ChemTrec 1-800-424-9300  
For call originating outside the United States dial (703)-527-3887

**2 Composition/Data on components:**

• Chemical characterization

• Description:

Mixture of substances listed below with nonhazardous additions.

Components:

50-01-1 guanidinium chloride	25-50 %
Xn; R 22-36/38	
64-19-7 acetic acid, of a concentration of more than 10 per cent, by weight, of acetic acid	10-15 %
C; R 35	

**3 Hazard identification**

• Hazard description: Xn Harmful

• Information concerning to particular hazards to man and environment

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

**4 First aid measures**

• General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation

- In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Call for a doctor immediately.

#### **5 Fire fighting measures**

- **Suitable extinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

#### **6 Accidental release measures**

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Prevent seepage into sewage system, workpits and cellars.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

#### **7 Handling and storage**

- **Handling**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.
- **Storage class**
- **Class according to regulation on flammable liquids:** Void

#### **8 Exposure controls and personal protection gear**

- **Additional information about design of technical facilities:**  
No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
64-19-7 acetic acid, of a concentration of more than 10 per cent, by weight, of acetic acid  
OES: Short-term value: 37 mg/m<sup>3</sup>, 15 ppm  
Long-term value: 25 mg/m<sup>3</sup>, 10 ppm
- **Additional information:**  
The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

• **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

• **Protection of hands:** Protective gloves.

• **Eye protection:** Tightly sealed goggles.

**9 Physical and chemical properties:**

- **Form:** Fluid
- **Colour:** Colourless
- **Odour:** Characteristic

	Value/Range	Unit	Method
• <b>Change in condition</b>			
• <b>Melting point/Melting range:</b>	undetermined		
• <b>Boiling point/Boiling range:</b>	100	° C	

• **Flash point:** Not applicable

• **Ignition temperature:** 485.0 ° C

• **Self-igniting:** Product is not selfigniting.

• **Danger of explosion:**

Product does not present an explosion hazard.

• **Explosion limits:**

- **Lower:** 4.0 Vol %
- **Upper:** 17.0 Vol %

• **Vapour pressure:** at 20 ° C 16.0 hPa

• **Density:** at 20 ° C 0.875 g/cm<sup>3</sup>

• **Solubility in / Miscibility with**

• **Water:** Not miscible or difficult to mix

• **Solvent content:**

- **Organic solvents:** 12.7 %
- **Water:** 40.8 %

• **Solids content:** 46.5 %

**10 Stability and reactivity**

• **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

• **Dangerous reactions** No dangerous reactions known

• **Dangerous decomposition products:**

No dangerous decomposition products known

**11 Toxicological information**

• **Acute toxicity:**

• **Primary irritant effect:**

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Irritating effect.

• **Sensitization:** No sensitizing effects known.

• **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Harmful  
Irritant

#### **12 Ecological information:**

- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### **13 Disposal considerations**

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.

#### **14 Transport information**

Contact Promega Safety Department for additional transport information.

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

#### **15 Regulations**

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
- **Code letter and hazard designation of product:** Xn Harmful
- **Hazard-determining components of labelling:** guanidinium chloride
- **Risk phrases:**  
22 Harmful if swallowed.  
36/38 Irritating to eyes and skin.
- **Safety phrases:**  
23 Do not breathe gas/fumes/vapour/spray.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
36/37 Wear suitable protective clothing and gloves.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- National regulations
- Classification according to VbF: Void
- Technical instructions (air):  
Class Share in %  
Water 40.8  
II 12.7
- Waterhazard class:  
Water hazard class 1 (Self-assessment): slightly hazardous for water.

**16 Other information:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:  
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U.S.A.
- Contact:  
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